

Title (en)

Identifying a data structure and recording method

Title (de)

Identifizierung einer Datenstruktur und Aufzeichnungsverfahren

Title (fr)

Identification d'une structure de données et méthode d'enregistrement

Publication

EP 0903667 A1 19990324 (EN)

Application

EP 98307300 A 19980909

Priority

JP 25564197 A 19970919

Abstract (en)

In a data structure identifying method, objects and/or data structures are differentiated by using an identifier. The identifier is formed by using an index in place of an address, thereby reducing a required number of bits for describing the address. A table is used for representing the relationship between the index and the address. To ensure that the identifier is unique on a time axis, the index is combined with a time stamp or a counter. The identifier further includes a format determining portion, such as an object identifier "OID" format bit and/or a reserved bit, which may be used for determining the presence or the absence of a network address. The identifier is thus applicable to an expandable system. As a result, it is possible to provide a data structure identifying method in which only a small number of bits are required and in which a high level of system performance can be maintained. A recording medium in which a program implementing the above data structure identifying method is recorded is also provided.

IPC 1-7

G06F 9/46; **G06F 9/44**

IPC 8 full level

G06F 9/44 (2006.01); **G06F 9/46** (2006.01)

CPC (source: EP KR US)

G06F 9/4493 (2018.01 - EP US); **G06F 9/465** (2013.01 - EP US); **G06F 12/02** (2013.01 - KR); **Y10S 707/955** (2013.01 - US); **Y10S 707/99942** (2013.01 - US)

Citation (search report)

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